

APPLICATION FOR MATERIAL LICENSE

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED BY GMB
3180-0120
Expires: 5-31-87

COPY

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

FEDERAL AGENCIES FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION
DIVISION OF FUEL CYCLE AND MATERIAL SAFETY, NMSS
WASHINGTON, DC 20555

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS, IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I
NUCLEAR MATERIAL SECTION 3
831 PARK AVENUE
KING OF PRUSSIA, PA 19406

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION II
MATERIAL RADIATION PROTECTION SECTION
101 MARIETTA STREET, SUITE 2100
ATLANTA, GA 30323

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION III
MATERIALS LICENSING SECTION
799 ROOSEVELT ROAD
GLEN ELLYN, IL 60137

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
MATERIAL RADIATION PROTECTION SECTION
611 RYAN PLAZA DRIVE, SUITE 1000
ARLINGTON, TX 76011

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION V
MATERIAL RADIATION PROTECTION SECTION
1450 MARIA LANE, SUITE 210
WALNUT CREEK, CA 94596

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTION.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

☐ A. NEW LICENSE

☐ B. AMENDMENT TO LICENSE NUMBER

☒ C. RENEWAL OF LICENSE NUMBER 12-18749-01

2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip Code)

Maclair Asphalt Co., Inc.
P. O. Box 486
Collinsville, Illinois 62234

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

6303 Collinsville Road, East St. Louis, Illinois and at temporary job sites throughout the State of Illinois

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

James R. Spagna, P. E.

TELEPHONE NUMBER

(618) 271-7470

SUBMIT ITEMS 5 THROUGH 11 ON 8 1/2 x 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL

a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSEE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY P AMOUNT ENCLOSED \$ 40.00

13. CERTIFICATION. (Must be completed by applicant). THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, AND 40 AND THAT ALL INFORMATION CONTAINED HEREIN, IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948, 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

SIGNATURE—CERTIFYING OFFICER

TYPED/PRINTED NAME

TITLE

DATE

Timothy E. Docter

President

1/22/85

14. VOLUNTARY ECONOMIC DATA

a. ANNUAL RECEIPTS

<\$250K	\$1M—3.5M
\$250K—500K	\$3.5M—7M
\$500K—750K	\$7M—10M
\$750K—1M	>\$10M

b. NUMBER OF EMPLOYEES (Total for entire facility excluding outside contractors)

c. NUMBER OF BEDS

d. WOULD YOU BE WILLING TO FURNISH COST INFORMATION (Dollar and/or staff hours) ON THE ECONOMIC IMPACT OF CURRENT NRC REGULATIONS OR ANY FUTURE PROPOSED NRC REGULATIONS THAT MAY AFFECT YOU? (NRC regulations permit it to protect confidential commercial or financial—proprietary—information furnished to the agency in confidence)

☐ YES

☐ NO

FOR NRC USE ONLY

JAN 28 1985

TYPE OF FEE

FEE LOG

FEE CATEGORY

COMMENTS

APPROVED BY

AMOUNT RECEIVED

CHECK NUMBER

CONTROL NO. 7819

REGION III

DATE

8504190284 850329
REG3 LIC30
12-18749-01

PDR

JAN 28 1985

PRIVACY ACT STATEMENT

Pursuant to 5 U.S.C. 552a(e)(3), enacted into law by section 3 of the Privacy Act of 1974 (Public Law 93-579), the following statement is furnished to individuals who supply information to the Nuclear Regulatory Commission on NRC Form 313. This information is maintained in a system of records designated as NRC-3 and described at 40 Federal Register 45334 (October 1, 1975).

1. **AUTHORITY:** Sections 81 and 161(b) of the Atomic Energy Act of 1954, as amended (42 U.S.C. 2111 and 2201(b)).
2. **PRINCIPAL PURPOSE(S):** The information is evaluated by the NRC staff pursuant to the criteria set forth in 10 CFR Parts 30, 32, 33, 34, 35 and 40 to determine whether the application meets the requirements of the Atomic Energy Act of 1954, as amended, and the Commission's regulations, for the issuance of a radioactive material license or amendment thereof.
3. **ROUTINE USES:** The information may be (a) provided to State health departments for their information and use; and (b) provided to Federal, State, and local health officials and other persons in the event of incident or exposure, for their information, investigation, and protection of the public health and safety. The information may also be disclosed to appropriate Federal, State, and local agencies in the event that the information indicates a violation or potential violation of law and in the course of an administrative or judicial proceeding. In addition, this information may be transferred to an appropriate Federal, State, or local agency to the extent relevant and necessary for an NRC decision or to an appropriate Federal agency to the extent relevant and necessary for that agency's decision about you.
4. **WHETHER DISCLOSURE IS MANDATORY OR VOLUNTARY AND EFFECT ON INDIVIDUAL OF NOT PROVIDING INFORMATION:** Disclosure of the requested information is voluntary. If the requested information is not furnished, however, the application for radioactive material license, or amendment thereof, will not be processed. A request that information be held from public inspection must be in accordance with the provisions of 10 CFR 2.790. Withholding from public inspection shall not affect the right, if any, of persons properly and directly concerned need to inspect the document.
5. **SYSTEM MANAGER(S) AND ADDRESS:** U.S. Nuclear Regulatory Commission
Director, Division of Fuel Cycle and Material Safety
Office of Nuclear Material Safety and Safeguards
Washington, D.C. 20555

5. Radioactive Material

- | | | |
|----------------------|---|--|
| I. a. Cesium-137 | b. Sealed source (Troxler Model No. A-102112) | c. No single source to exceed 8 millicuries |
| II. a. Americium-241 | b. Sealed source (Troxler Model No. A-102451) | c. No single source to exceed 40 millicuries |

6. Purpose

I. & II. to be used in Troxler Model 3400 Series surface moisture/density gauges

7. Individuals Responsible

James R. Spagna, P.E. - Radiation Safety Officer
Timothy E. Docter - President

-Both individuals named have received formal training in Radiation Safety at a class conducted by Troxler Electronics Co.

-Both individuals named have six (6) years experience in the use of the instruments to be used.

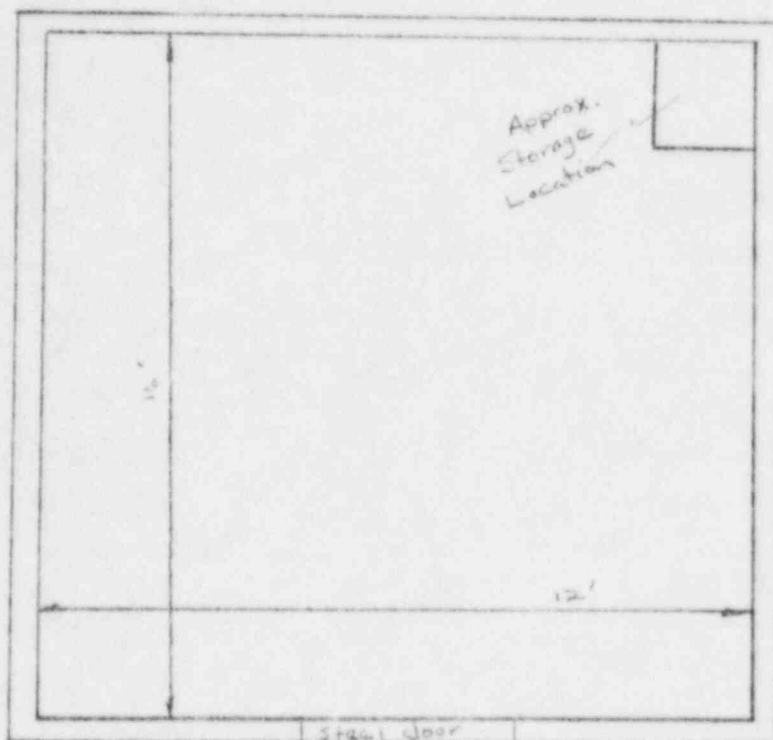
8. Training for individuals working in or frequenting restricted areas

No restricted areas will be necessary except in the limited useage of the storage area. Those who occasionally might find need to use this area will be instructed in the safety precautions necessary and will be reminded of the presence of the equipment with the appropriate warning signs.

9. Facilities and Equipment

The shielded source, contained in a Troxler Model 3411- Moisture/Density Gauge, will be stored at the offices of Macclair Asphalt Co., Inc., 6303 Collinsville Road, East St. Louis, Illinois 62201. The storage location will be in a locked vault located in the basement of that office as per the sketch below. The vault is constructed of 10 inch reinforced concrete walls, floor, and ceiling. The door is made of 6 inch steel. The gauge will be placed in a corner of the vault and will be contained in a box made of 6 inch non-reinforced, precast concrete for added protection.

During transportation to the temporary job sites, the source is contained in a shielded plastic housing manufactured specifically for use with the gauge. The gauge will be placed in the plastic carrying case and placed in a remote portion of the transporting vehicle where it will be secured to avoid being thrown about in the vehicle during transit.



Storage Location

Not to Scale

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10. Radiation Safety Program

The Radiation Safety Officer will be responsible for the safe storage, transportation and use of the Troxler Model 3411 Moisture/Density Gauge. He will see that all safety rules are followed, that all monitoring devices are properly employed and that all reports and notices are properly displayed. He will also see that proper handling and emergency procedures are followed.

These procedures are as follows:

- (1) No person may transport or use the nuclear gauges unless the individual has been approved by the Radiation Safety Officer and the requirements of these procedures are met.
- (2) Each user must demonstrate his ability to correctly and safely use the nuclear gauge and must be properly trained in its use.
- (3) At the termination of each field use, the nuclear gauge will be returned to its regular storage area.
- (4) In the event of physical damage to the gauge, a six (6) feet radius exclusion area will be maintained until the extent of the source damage (if any) is determined. If a vehicle is involved, it will be stopped and remain stopped until the extent of contamination hazard (if any) is determined.
- (5) Immediate telephone notification will be made to the Radiation Safety Officer, Region III of the United States Regulatory Commission, and the State of Illinois, Department of Public Health, Division of Radiological Health in the event of an accident or the loss or theft of a sealed source, whether accidental or due to theft.

In addition, leak testing will be conducted at intervals not to exceed six (6) months in duration and results will be kept on file by the Radiation Safety Officer.

Personnel will be monitored for exposure on a monthly basis with film badges provided by R. S. Landauer, Jr. & Co., Glenwood Science Park, Glenwood, Illinois 60425. Reports will be kept on file by the Radiation Safety Officer and personnel will be immediately notified should anything but minimal exposure result.

11. Waste Management

Upon final use of gauge, sources will be returned to manufacturer for disposal.

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